indicated. In this document, the terms "including" and "in which" are used as the plain-English equivalents of the respective terms "comprising" and "wherein." Also, in the following claims, the terms "including" and "comprising" are open-ended, that is, a system, device, article, composition, formulation, or process that includes elements in addition to those listed after such a term in a claim are still deemed to fall within the scope of that claim. Moreover, in the following claims, the terms "first," "second," and "third," etc. are used merely as labels, and are not intended to impose numerical requirements on their objects.

Method examples described herein can be machine or computer-implemented at least in part. Some examples can include a computer-readable medium or machine-readable medium encoded with instructions operable to configure an electronic device to perform methods as described in the above examples. An implementation of such methods can include code, such as microcode, assembly language code, a higher-level language code, or the like. Such code can include computer readable instructions for performing various methods. The code may form portions of computer program products. Further, in an example, the code can be tangibly stored on one or more volatile, non-transitory, or non-volatile tangible computer-readable media, such as during execution or at other times. Examples of these tangible computer-readable media can include, but are not limited to, hard disks, removable magnetic disks, removable optical disks (e.g., compact disks and digital video disks), magnetic cassettes, memory cards or sticks, random access memories (RAMs), read only memories (ROMs), and the like. The above description is intended to be illustrative, and not restrictive. For example, the above-described examples (or one or more aspects thereof) may be used in combination with each other. Other embodiments can be used, such as by one of ordinary skill in the art upon reviewing the above description. The Abstract is provided to comply with 37 C.F.R. §1.72(b), to allow the reader to quickly ascertain the nature of the technical disclosure. It is submitted with the understanding that it will not be used to interpret or limit the scope or meaning of the claims. Also, in the above Detailed Description, various features may be grouped together to streamline the disclosure. This should not be interpreted as intending that an unclaimed disclosed feature is essential to any claim. Rather, inventive subject matter may lie in less than all features of a particular disclosed embodiment. Thus, the following claims are hereby incorporated into the Detailed Description as examples or embodiments, with each claim standing on its own as a separate embodiment, and it is contemplated that such embodiments can be combined with each other in various combinations or permutations. The scope of the invention should be determined with reference to the appended claims, along with the full scope of equivalents to which such claims are entitled.

The claimed invention is:

1. An apparatus comprising an electroencephalographic (EEG) monitoring kit comprising a kit package comprising:

an EEG recording module, configured to be worn on a head of a patient, the EEG recording module comprising a memory configured for recording a plurality of EEG signals from the patient;

a headpiece, sized and shaped to be worn on the head of the patient, the headpiece comprising a plurality of non-surgically implanted scalp-wearable electrode assemblies that are configured to be electrically connected to the EEG recording module;

an electrical connector cable, having a length that is less than 50 centimeters, the cable configured to couple the EEG recording module to the headpiece, when both the EEG recording module and the headpiece are worn on the head of the patient, to communicate the EEG signals from the electrode assemblies to the EEG recording module; and

a fluid-impervious single-use cover, configured to be directly or indirectly mounted to the headpiece or to the head of the patient, the cover sized or shaped to carry the EEG recording module within the cover and configured to permit the cable to extend Out from the cover to the headpiece, wherein the cover comprises a flexible plastic pouch comprising an adhesive seal, configured to seal the EEG recording module within the pouch with the cable extending out from the pouch, and wherein the pouch is configured with a tear strength that is less than an adhesion strength of the adhesive seal such that opening the sealed pouch to remove the EEG recording module from the pouch requires tearing of the pouch and thereby renders the pouch unsuitable for subsequent use with the EEG recording module.

2. The apparatus of claim **1**, wherein the cover comprises a pouch that comprises a mount, configured to directly or indirectly mount the pouch to the headpiece or the head of the patient.

3. The apparatus of claim **2**, wherein the EEG kit package comprises a headband, sized or shaped to be worn directly or indirectly about the head of the patient, and wherein the pouch comprises the mount including a sleeve that is sized or shaped to pass the headband through the sleeve for mounting the pouch for being worn directly or indirectly about the head of the patient.

4. The apparatus of claim **3**, wherein the headband includes an elastic portion to allow stretching of the headband.

5. The apparatus of claim **4**, wherein the headband further includes an additional length adjustment feature beyond the stretching.

6. The apparatus of claim **5**, wherein the additional length adjustment feature includes a series of spaced-apart affixation tabs located on the headband.

7. The apparatus of claim **1**, wherein the headpiece comprises a head-receiving configuration of support members, the configuration of support members carrying a plurality of electrode assemblies that are electrically connected to the EEG recording module and that respectively ride along a respective position adjustment track so as to be capable of being individually relocated by a user from a first location on the patient's head to a different second location on the patient's head while the headpiece is in place on the patient's head.

8. The apparatus of claim **1**, wherein at least one of the electrode assemblies comprises a plunger, configured to allow user-adjustment of an electrode toward a scalp of the patient, and wherein the plunger is configured to rupture a seal to allow user-actuated release of an at least somewhat flowable conductive substance toward a skin-electrode interface to assist in obtaining electrical conduction at the skin-electrode interface.

9. The apparatus of claim **1**, wherein each one of the electrode assemblies comprises a respective accelerometer attached to that one of the electrode assemblies and wherein the EEG recording module further comprises a signal processor circuit coupled to the accelerometers, the signal processor configured to permit detecting relative movement of that particular one of the electrode assemblies beyond global motion of the patient's head or body.

10. The apparatus of claim **1**, wherein the EEG recording module comprises an impedance test circuit, configured to